

ABSTRACT OF THE DISCLOSURE

A duplexing control system and method of an ATM switching system capable of carrying out a stable switching of duplexing with a simple circuit construction is disclosed. The system has two boards respectively having a first interface matching with an input bus so as to interface received ATM cell, a second interface matching with an output bus so as to interface a transmitted ATM cell, an SAR for disassembling and assembling data unit contained in an application layer in the transmitted/received ATM cell by a unit of ATM cell, a control section for controlling general operation in order to maintain the active state according to data processing information contained in a signal applied from the cell disassembling and assembling means, when the its own board is endowed with the active authority by the signal, and a DRAM for storing data transmitted/received for the switching of duplexing between the boards. The duplexing control system and method in an ATM system causes data processing information of one board and a duplexing authority to be formed into an ATM cell and to be transferred through a cell bus, so that a duplexing control can be stably carried out.